

CLAIMS

Having thus described the invention, what we desire to claim and secure by letters patent is:

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An attachment to a spray-type water sprinkler head which has a portion thereof generally at the same level as or above a ground surface for allowing of flushing of the head without saturating the immediate area around the sprinkler head, said attachment comprising:

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a) a body having a first arm with a duct extending therethrough to direct water and any debris in a generally upward direction to thereby allow any flushing of the head;

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b) a second arm having a duct extending therethrough to allow for redirection of the water and any debris carried therewith to a location away from the site of the sprinkler head; and

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c) an outwardly extending third arm which can be engaged by a user of the attachment to facilitate connection and disconnection of the attachment to the sprinkler head.

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The attachment for a sprinkler head of Claim 1 further characterized in that said second arm directs water and any debris carried therewith in a direction angularly located to the direction of water and debris in the duct of the first arm.

The attachment for a sprinkler head of Claim 1 further characterized in that said second arm directs water and any debris carried therewith in a direction of approximately 90° with respect to the duct in said first arm.

The attachment for a sprinkler head of Claim 1 further characterized in that said first arm and said second arm are integral with one another and said first and second ducts generally have the same diameter and are in fluid communication with one another.

The attachment for a sprinkler head of Claim 4 further characterized in that said third arm is also integral to said first and second arms and extends in a direction generally parallel to one of said first and second arms and generally perpendicular to said first and second arms.

The attachment for a sprinkler head of Claim 1 further characterized in that a fourth arm is also connected to said first, second and third arms also in a direction parallel to one of said first and second arms and generally perpendicular to the other of said first and second arms.

The attachment for a sprinkler head of Claim 4 further characterized in that said third arm is also integral to said first and second arms and extends in a direction generally parallel to one of said first and second arms and generally perpendicular to said first and second arms said third arm also having a duct in fluid communication with the ducts in said first and second arms and which allows for a flushing of water therethrough when one of said first or second arms does not allow for a flushing of water and any debris therethrough.

The attachment for a sprinkler head of Claim 7 further characterized in that a fourth arm is also connected to said first, second and third arms also in a direction parallel to one of said first and second arms and generally perpendicular to the other of said first and second arms, and said third arm is located at a direction generally parallel to one of said first and second arms

and generally perpendicular to the other of said first and second arms and said fourth arm is located in a direction generally parallel to one of said second and third arms and generally perpendicular to the other of said second and third arms.

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The attachment for a sprinkler head of Claim 8 further characterized in that said fourth arm has a duct extending therethrough.

An attachment for connection and disconnection to a limited area spray-type water sprinkler head to allow flushing of the head, said attachment comprising:

- 5 a) first and second arms which are angularly located with respect to one another to divert water being flushed through the sprinkler head;
- 10 b) a third arm extending angularly with respect to said first and second arms and also being capable of directing water being flushed through the sprinkler head; and
- 15 c) threaded connection means on certain of said arms for direct connection to a threaded section of an upper end of said sprinkler head.

20 The attachment for connection and disconnection to a water sprinkler head of Claim 10 further characterized in that said arms have the shape of a cross.

The attachment for connection and disconnection to a water
sprinkler head of Claim 10 further characterized in that said
threaded connection means on said certain of said arms comprises a
5 female threaded section on said attachment and a male threaded
section on said sprinkler head attachment.

The attachment for connection and disconnection to a water
10 sprinkler head of Claim 10 further characterized in that said
threaded connection means on said certain of said arms comprises a
male threaded section on said attachment and a female threaded
section on said sprinkler head attachment.

15 The attachment for connection and disconnection to a water
sprinkler head of Claim 10 further characterized in that said
certain of said arms comprises a male threaded section on said
attachment and a female threaded section on said sprinkler head
20 attachment.

The attachment for connection and disconnection to a water
sprinkler head of Claim 10 further characterized in that said
25 threaded connection means comprises a female connection means on

one of said arms and a male connection means on another of said arms.

A method for directing water from a sprinkler head body in a spray-type non-rotor and non-impact sprinkler system along with any debris therein concurring with being flushed through a sprinkler head and away from the site of the sprinkler head, said method comprising:

- a) directing flushing water under pressure through a sprinkler head body;
- b) connecting an attachment to the sprinkler head body or a riser therefor;
- c) directing the water flushing from the sprinkler head body through an upwardly arranged pipe on said attachment; and
- d) thereafter directing the flushing water through an angularly arranged pipe on said attachment to thereby direct the water away from the site of the sprinkler head.

The method for directing water from a sprinkler head body of Claim 16 further characterized in that said method comprises directing the flushing water away from the site of the sprinkler head at an angle of about 90° with respect to the vertically arranged pipe.

The method for directing water from a sprinkler head body of Claim 16 further characterized in that said method comprises first removing an insert in the sprinkler head and thereafter attaching
5 to said sprinkler head body a device comprising the upwardly arranged pipe and the angularly arranged pipe.

A device for holding a pop-up stem of a pop-up spray-type sprinkler head in a partially extended position to allow for servicing or flushing of a body of the sprinkler head, said device
5 comprising:

a) a tube having an inner duct extending therethrough from end to end of the tube and being arranged for removable attachment to an upper end of a pop-up stem of said sprinkler
10 head so that the tube is generally vertically arranged;

b) a lower end of said tube sized to engage an upper end of said sprinkler head when attached to the pop-up riser stem;

15 c) first threaded connection means at said tube for mating threaded connection to the upper end of said pop-up riser stem of said sprinkler head such that the tube is generally vertically arranged and with said duct
20 allowing for flow of flushing water therethrough; and

d) second threaded connection means at said tube and also allowing for attachment to a different type of threaded connection on
25 another type of pop-up stem.

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The device for use with a pop-up sprinkler head of Claim 19 further characterized in that said device also has another tube
5 connected to said first named tube and extending angularly away from said first tube.

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The device for use with a pop-up sprinkler head of Claim 19
10 further characterized in that said threaded connection means comprises a first connection section and a spaced apart second connection section for attachment to a threaded section on said pop-up shaft different from a threaded section on said pop-up shaft than the first connection section would be attached to.

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The device for use with a pop-up sprinkler head of Claim 19 further characterized in that said lower end is sized for abutting engagement with an upper end of said sprinkler head body.

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The device for use with the pop-up sprinkler head of Claim 21 further characterized in that said first connection section is an internally threaded section and said second connection section is
25 an externally threaded section.

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The device for use with the pop-up sprinkler of Claim 19 further characterized in that one of said threaded connection means comprises a threaded section sized to fit a conventional garden hose.

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